

MD 27 IS CONSIDERED TO RUN
IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS



810-40
9' x 12"
(TO BE INSTALLED
WITH PUSHBUTTON)

EXISTING SIGNS

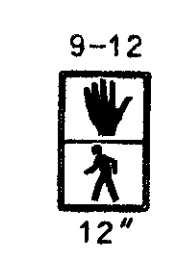
13a	13b
◀ E Green St	◀ W Green St
W Green St ▶	E Green St ▶

D3-2
VARIABLE X 32"
(DUAL-FACED)

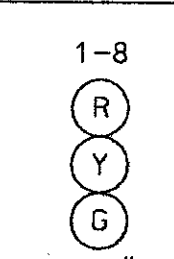
14
Liberty St

D3-2
VARIABLE X 16"
(DUAL-FACED)

PROPOSED SIGNALS

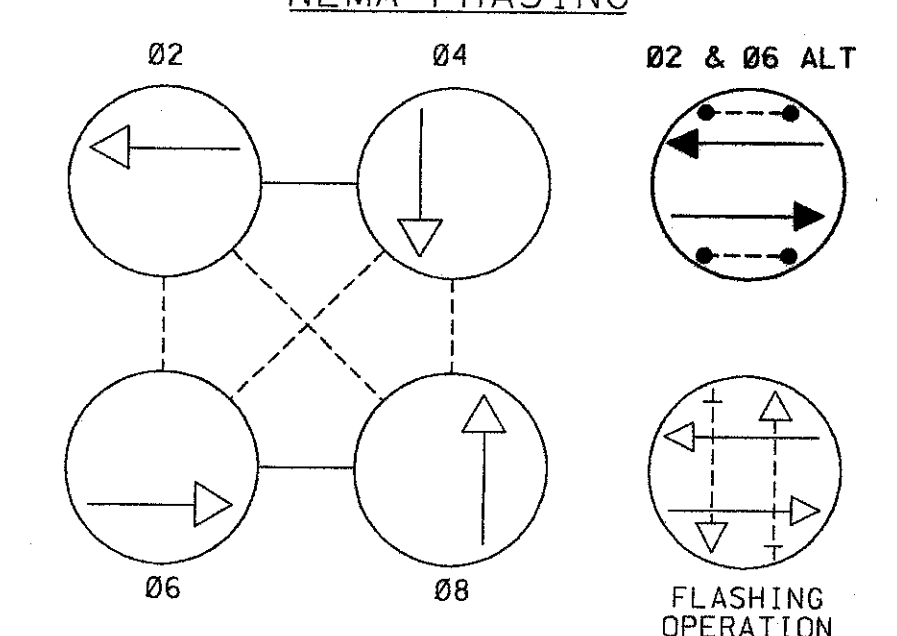


EXISTING SIGNALS



"BLACK-FACED"

NEMA PHASING

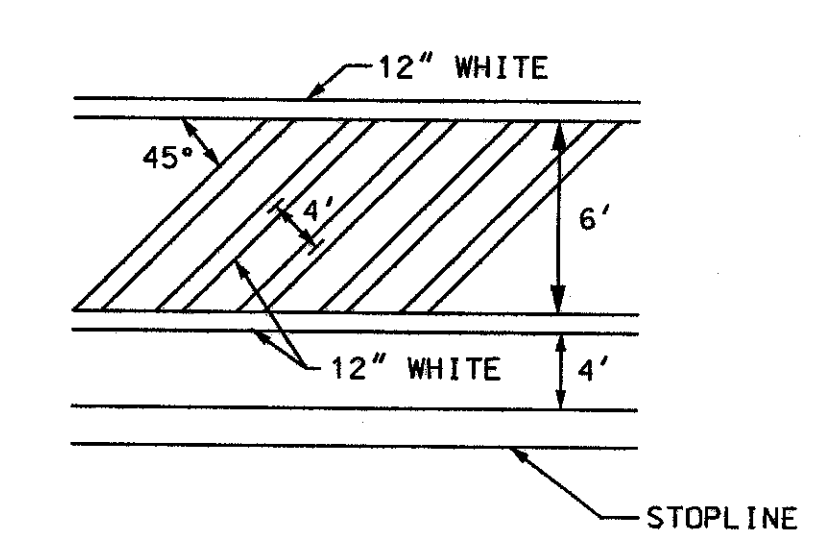


PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

- Install pedestrian signal head, pushbutton with pedestrian education sign on existing signal pole as shown. (Note: Install 1-2" 90° polyvinyl chloride (Schedule 80) bend. in existing base.)
- Install 10' breakaway pedestal pole, pedestrian signal heads, pushbutton with pedestrian education sign as shown. (Note: 1-2" 90° polyvinyl chloride (Schedule 80) bend.)
- Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- Install detectable warning system (truncated domes) on handicapped ramp.
- Install handhole.
- Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
- Install 24" white heat applied permanent preformed thermoplastic pavement marking (stopline).
- Install 12" white heat applied permanent preformed thermoplastic pavement marking (crosswalk).
- Use existing cabinet and controller.
- Use existing handhole.
- Use existing conduit.
- Remove existing sidewalk section and replace in kind after the installation of the proposed equipment.
- Existing overhead electrical service by BGE.

CROSSWALK AND STOPLINE DIMENSION TYPICAL

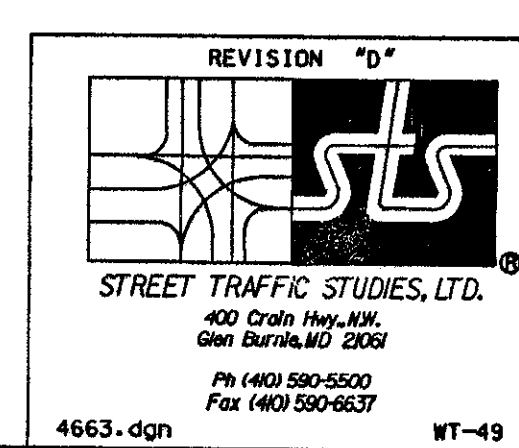


NOTE:
CROSSHATCHING IS REQUIRED
WITHIN ALL CROSSWALKS CROSSING
FREE RIGHT TURN LANES

GENERAL NOTES:

- The loop detectors and conduit are to be installed prior to the installation of the pavement markings.
- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All crosswalks are to be installed centered on the handicapped ramps.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---



REVISIONS		APPROVALS	
REVISION	DATE	APPROVED	DATE
1	8-13-04	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
2	9-15-05	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
3	11-6-01	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
4	8-11-01	DIRECTOR, TRAFFIC & SAFETY	

SHA#CL317A51/B51 TOD#AT582-08

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 27 (LIBERTY ST) AND GREEN STREET

DRAWN BY: JON BOLING	F.A.P. NO. S.H.A. NO.	TS NO. 1116D	SHEET NO. 1 of 2
CHECKED BY: WJ RICHARDSON	COUNTY: CARROLL	T.I.M.S. NO. 6376	
SCALE: 1" = 20'	LOG MILES: 06002718.38		
DATE: 9-20-02			